Datasheet for ABIN7259682

anti-NUAK1 antibody

1 Image

Go to Product page

Overview

Quantity:	200 µL
Target:	NUAK1
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NUAK1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein of human NUAK1 (NP_055655.1).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	NUAK1
Alternative Name:	NUAK1 (NUAK1 Products)
Background:	NUAK family SNF1-like kinase 1also known asAMPK-related protein kinase 5(ARK5) is anenzymethat in humans is encoded by theNUAK1gene. Serine/threonine-protein kinase involved in various processes such as cell adhesion, regulation of cell ploidy and senescence, cell proliferation and tumor progression. Phosphorylates ATM, CASP6, LATS1, PPP1R12A and

Target Details

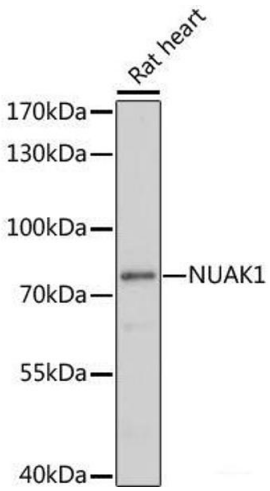
	p53/TP53. Acts as a regulator of cellular senescence and cellular ploidy by mediating phosphorylation of 'Ser-464' of LATS1, thereby controlling its stability. Controls cell adhesion by regulating activity of the myosin protein phosphatase 1 (PP1) complex. Acts by mediating phosphorylation of PPP1R12A subunit of myosin PP1: phosphorylated PPP1R12A then interacts with 14-3-3, leading to reduced dephosphorylation of myosin MLC2 by myosin PP1.
Molecular Weight:	Observed_MW: 74 kDa Calculated_MW: 23 kDa/74 kDa
Gene ID:	9891
UniProt:	O60285

Application Details

Application Notes:	WB 1:200-1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of Rat heart using NUAK1 Polyclonal Antibody at dilution of 1:1000.